

For each function below complete a) \rightarrow d)

i) $f(x) = x^2$ ii) $f(x) = x^2 + 2$ iii) $f(x) = x^2 - 3$

a) create a table for $-3 \leq x \leq 3$

b) find $f(7)$


c) find the value of x when $f(x) = 36$

d) Graph the function on graph paper

Do p. 216 Investigation



Do p. 217 #1-10

①  $f(x) = x^2 - 4$

②  $f(x) = x^2 - 2$

Parabola

$$y = \pm (x - h)^2 + k$$

+  

right/left

+3 left 3

-3 right 3

up/down

+3 up 3

-3 down 3

$$y = \left(x - 4\right)^2$$



HW

p. 255

1, 2, 7, 8, 9, 11, 14, 15, 16, 17, 20